SPECTRUM SHARING COMMITTEE PROJECT ROADMAP

Approved by the Spectrum Sharing Committee Steering Group

4 January 2017

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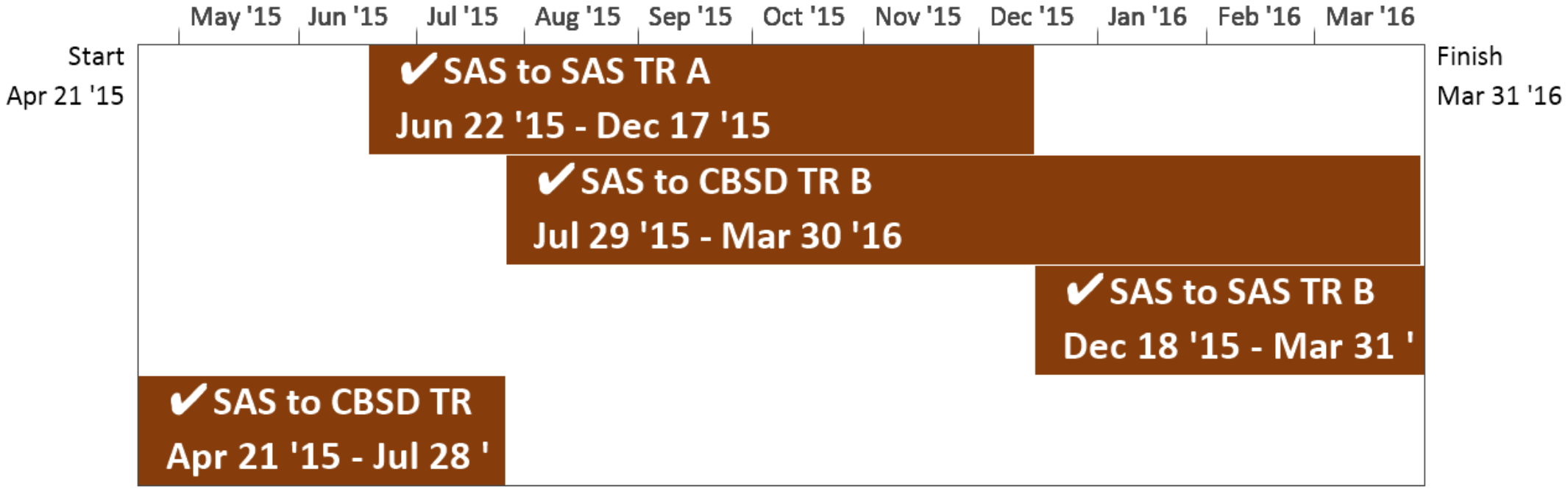
Early Release (Release 0) Publication Timeline



Notes

1. TRA = Technical Report A, TRB = Technical Report B
2. Finish/publication dates include planned ballot period throughout this document

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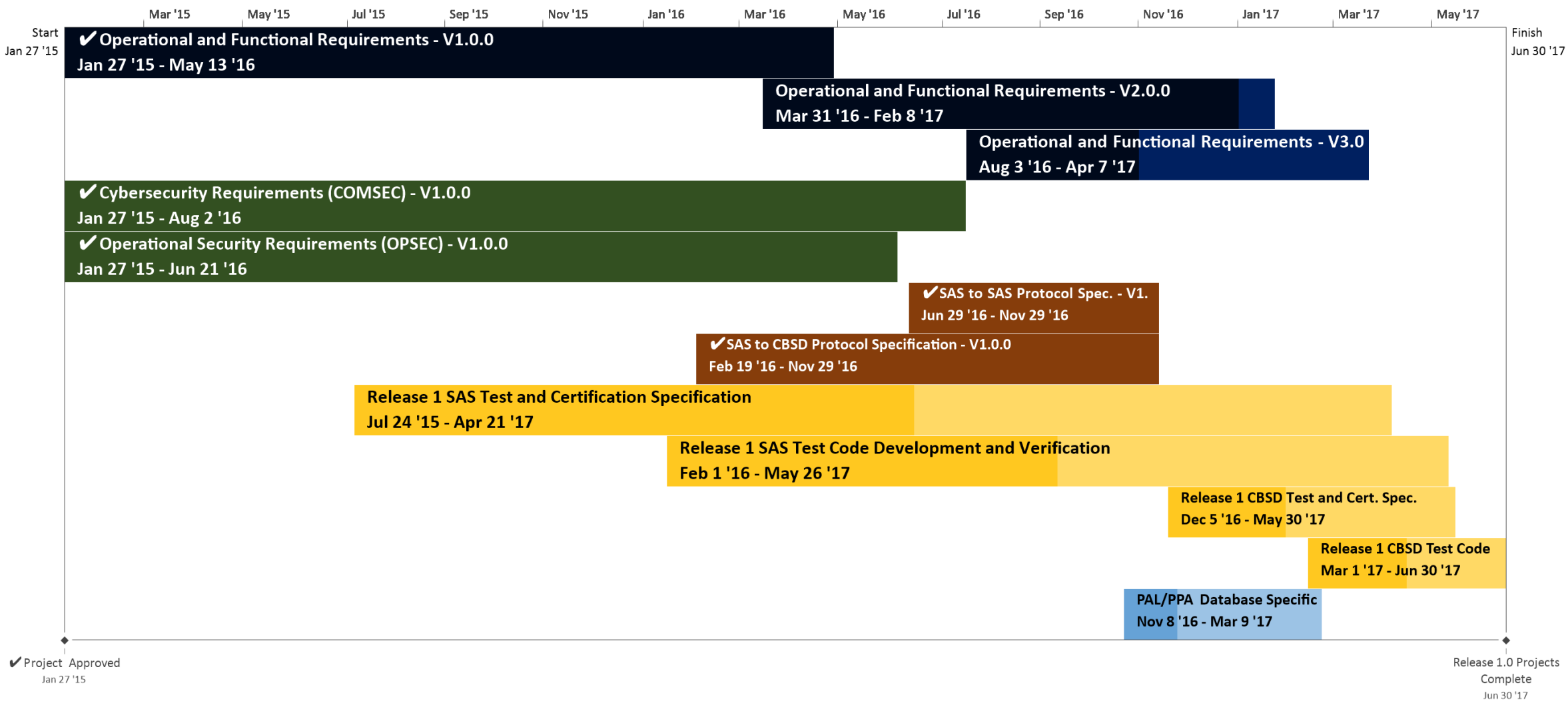
Release 1 Publication Timeline (Revised)



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Release 1 Publication

The Release 1 SAS Test and Certification Specification will be compilation of an Interim Technical Report and one or more Interim SAS Test and Certification Specification(s).

SAS Test and Certification can commence after publication of the first Interim SAS Test and Certification Specification and development and verification of the associated Test Code.

- Current timing is Feb 27, 2017

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Release 1 Schedule Variance

Previous schedule assumed certain elements of PAL protection, etc. could be deferred until Release 2 to align with the PAL auction

Revised schedule pulls these elements into Release 1 to allow for full SAS testing

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What is addressed in the Release 1 (1 of 3)

Border Area Management

- Requirements on Implementing international agreements to protect Canada and Mexico

CBSD Measurement Reporting

- Initial requirements for CBSD measurements of their local interference environment, and reporting those data back to the SAS.

CBSD Registration Processing

- The requirements for how a CBSD registers with a SAS, including owner registration, professional installer registration and CBSD registration.

Communications Security

- The communications security policies governing SAS and CBSD communications interfaces.

Domain Proxy

- The baseline Operational and Functional Requirements of the CBRS Domain Proxy for initial testing and trials.

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What is addressed in the Release 1 (2 of 3)

Environmental Sensing Capability (ESC)

- The requirements for implementation of an Environment Sensing Capability, and protecting federal incumbents.

Exception Management

- The requirements for how trouble tickets or exceptions are managed, including from FCC input, reports from incumbents, and reports from PAL.

FSS Protection

Grandfathered Wireless Device Protection

Operations Security

- The overall system operational security requirements to include handling of incumbent data, obfuscation of spectrum data, and processes associated with auditing and governance of the SAS infrastructure.

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What is addressed in the Release 1 (3 of 3)

PAL Protection Area Definition

- Requirements on how PALs reports their coverage area to the SAS for end-to-end use of the licenses. This includes how PAL licensees define PAL Protection Areas (PPAs), request to operate in a particular geographic area within their license boundary (PPA), how PPA credentials and IDs are defined, conveyed and managed, and how the SAS accomplishes such protections.

Protocol Support for Priority Access Licensing

Propagation Modeling

- Identify appropriate 3.5 GHz propagation models for Incumbent and PAL protection and PPA definition, determine relative benefits and limitations, develop agreement on baseline needs such as underlying data, and define standardized interference aggregation methodologies.

SAS to SAS Information Sharing

- Initial support for SAS-SAS Synchronization and Information exchange.

Spectrum Grant Request Processing

- The requirements for how a CBSD requests and relinquish grants, and how grants are reassigned or terminated.

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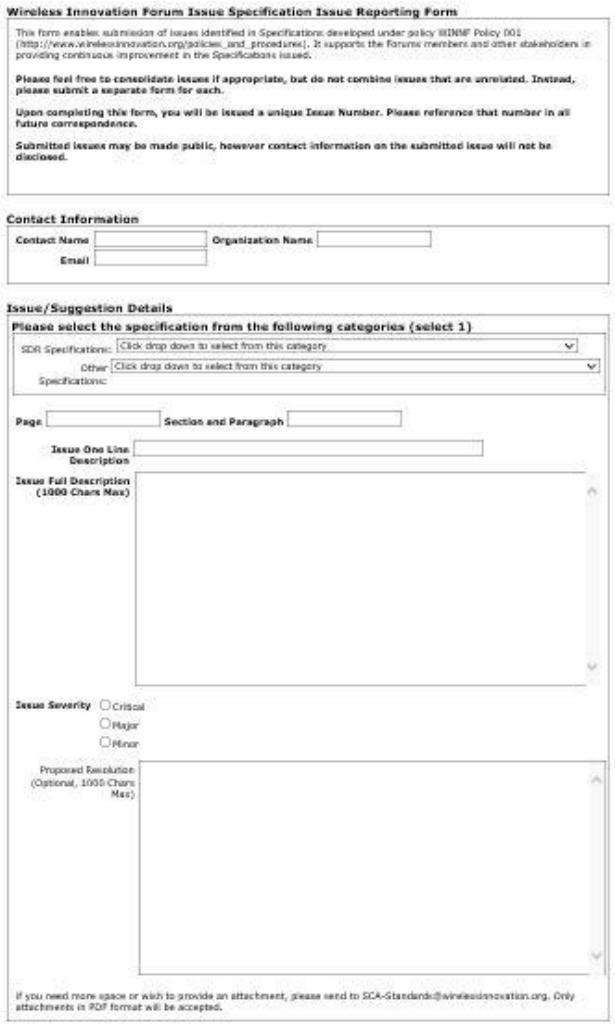
Issue Management and Change Requests

Following the release of revision 1 specifications, change requests will be collected from the Forum's public issues management portal



Wireless Innovation Forum Issue Specification Issue Reporting Form

This form enables submission of issues identified in Specifications developed under policy WINNF Policy 001 (http://www.wirelessinnovation.org/policies_and_procedures). It supports the Forums members and other stakeholders in providing continuous improvement in the Specifications issued.

Please feel free to consolidate issues if appropriate, but do not combine issues that are unrelated. Instead, please submit a separate form for each.

Upon completing this form, you will be issued a unique Issue Number. Please reference that number in all future correspondence.

Submitted issues may be made public, however contact information on the submitted issue will not be disclosed.

Contact Information

Contact Name | Organization Name | Email

Issue/Suggestion Details

Please select the specification from the following categories (select 1)

SDR Specifications: Click drop down to select from this category

Other Specifications: Click drop down to select from this category

Page | Section and Paragraph

Issue One Line Description

Issue Full Description (1000 Chars Max)

Issue Severity: Critical / Major / Minor

Proposed Resolution (Optional, 1000 Chars Max)

If you need more space or wish to provide an attachment, please send to SCA-Standards@wirelessinnovation.org. Only attachments in PDF format will be accepted.

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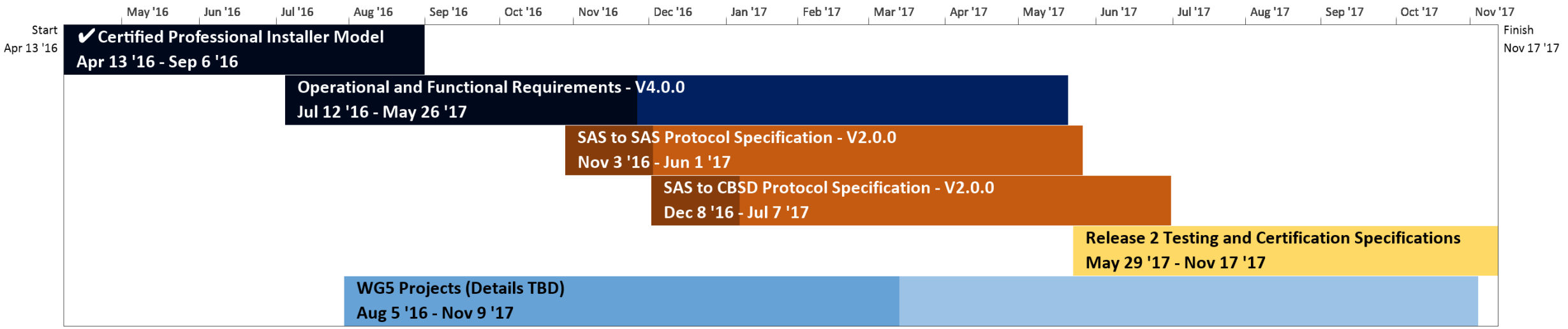
Release 2 Publication Timeline



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What will be addressed in Release 2

Certified Professional Installer Accreditation Standard

- Guidelines for adoption of uniform industry working standards and curriculum required to be consistent with the protection of spectrum, both licensed and GAA, for sharing in the 3550-3700 MHz band.

Certificate Authority Accreditation Standard

CBSD to CBSD Operation

Channel Assignment Optimization

- Full support of WInnForum requirements on how spectrum is assigned across SASs, including PAL.

GAA Coexistence

- A framework for providing fair shared access to CBRS radio resources while mitigating the negative impacts from multiple signals, possibly across multiple air interface technologies, utilizing overlapping and/or neighboring radio resources. This can be used by other organizations in establishing technology specific coexistence agreements.

PAL Leasing

Standardized Non-protocol Procedures (e.g., owner registration)

Test and Certification Accreditation Standard

Enhancements from Release 1

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